Operationally Responsive Space

Assured Space Power Focused on Timely Satisfaction of Joint Force Commanders' Needs

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Government/Industry Team Selected for ORS Sat-1 Mission

Greetings from New Mexico!

It has been a busy few months as we have been aggressively working the third Joint Force Commander Need now known as ORS Sat-1.

I am pleased to announce that we selected the Space and Missiles Systems Center's Space Development and Test Wing, Kirtland Air Force Base, NM as the executing agent for ORS Sat-1. Lt. Col. Tim Rade from the Test Wing's Responsive Space Squadron, and Mr. Thom Davis from the ORS Office will lead the effort.

ORS Sat-1 is a free-flying satellite that will provide intelligence, surveillance and reconnaissance (ISR) to leaders at U. S. Central Command (USCENTCOM). The Goodrich Corporation's Optical and Space Systems Division, Danbury, CT will manufacture and integrate ORS Sat-1, which is scheduled for launch onboard an Orbital Sciences Corporation Minotaur launch vehicle in 2010.

This effort will provide an operational capability to the warfighter and further the ORS enablers including the development of a modular payload (TacSat-class bus), open Command and Control system architecture, and timely data dissemination to the warfighter. This system also will develop rapid spacecraft fabrication and assembly, a reduced launch schedule, and enhanced microsatellite performance. The program could lead to future systems very close to the congressional cost goals of $40 million per spacecraft and $20 million per launch.

Help name the ORS Sats. Innovative and clever names or naming schemes (one or two words) are welcome. The winner will be a VIP at the next launch. Submit your ideas to: angela.heinl@kirtland.af.mil.

TacSat-3 Integrated Payload at AFRL

AFRL and ORS Partner To Move Enablers Forward

The TacSat Demonstration Program is the principal test-bed for proving out the technologies required to develop and field future ORS space capabilities. TacSat-3 will mature a variety of ORS technologies such as space-qualified Common Data Link, onboard mission data processing, hyperspectral imaging, modular bus design, and initial PnP experiments. TacSat-3 will be packed and shipped from AFRL to Wallops Flight Facility December 13.

A Look Forward: Upcoming Events & Milestones

- 19 Dec. 2008—Resposive Space 7 (RS7) Call for Papers: www.responsivespace.com/conferences/RS7/RS7.asp
- 31 Jan. 2009—TacSat-3 Launch (Hyper-Spectral Imager), Wallops Island, VA